

Amendments to the Specification

Please replace the paragraph beginning at page 7, line 13 with the following:

Figures 2A and 2B are diagrams depicting Suppressor tRNA and expression vector constructs. Figure [[1]]2(A) Human Arginine tRNA: The sequence (noncoding strand) and the clover leaf structure of the human arginine tRNA is shown. A single base change (shown with *) in the anticodon is required to convert the human arginine tRNA into an opal suppressor tRNA (SEQ ID NO:17). Figure [[1]]2(B) HSV amplicon vector: Amp^r, ampicillin resistant; "a", HSV-packaging signal; HSV-tk promoter, HSV-1 thymidine kinase promoter; EBNA-1 modified EBV nuclear antigen gene; ori P, EBV unique latent replication origin; ori S, HSV-1 replication origin.

Please replace the paragraph beginning at page 7, line 24 with the following:

Figures [[2A -2D]]3A-3D are figures depicting the restoration of GFP fluorescence using *hargsup* tRNA^{Opal}. (A) GFP fluorescence detected in XP12ROSV cells cotransfected with the mhRGFP expression construct and the pHE*hargsup* tRNA^{Opal} plasmid. Note bright green fluorescence in multiple cells observed by fluorescence microscopy using a FITC filter. (B) Phase contrast of the same field of transfected XP12ROSV cells as in A. (C) XP12ROSV cells transfected with the mhRGFP vector alone. No significant fluorescence is observed when the nonsense codon is not suppressed. (D) Phase contrast of the same field as in (C).

Please replace the paragraph beginning at page 10, line 20 with the following:

Figure 10 is a depiction of human opal suppressor serine tRNA and human amber suppressor serine tRNAs designed according to the present invention and a graphic illustration of the two suppressor tRNAs in tandem using the splice sites indicated. (SEQ ID NOS: [[5-8]]7-10)

Please replace the paragraph beginning at page 10, line 25 with the following:

Figure 11 is a diagram depicting the cloverleaf structure formed by the novel human ochre suppressor serine tRNA of the invention. (SEQ ID NO: [[9]]11)

Please replace the paragraph beginning at page 10, line 28 with the following:

Figure 12 is a diagram depicting the cloverleaf formation in the anticodon region of yet another synthetic amber suppressor serine tRNA formed in accordance with the present invention. (SEQ ID NO:[[10]]12)

Please replace the paragraph beginning at page 10, line 32 with the following:

Figure 13 is a drawing depicting the cloverleaf formation of yet another human serine opal suppressor tRNA illustrating the anticodon region in accordance with the present invention. (SEQ ID NO:[[11]]13)

Please replace the paragraph beginning at page 11, line 3 with the following:

Figure 14 is a drawing depicting the cloverleaf and anticodon regions formed by yet another human opal suppressor tRNA by the present invention. (SEQ ID NO:[[12]]14)